

NCI Howard Temin Award: Mentored Research Scientist Development Award (K01)

PURPOSE

To encourage basic scientists to focus their research on human cancer and to bridge the transition of these scientists from a mentored postdoctoral research environment to an independent cancer research career.

ELIGIBILITY

Degree Type: basic scientists, Ph.D.s, and M.D.s
Award Type: individual
Career Stage: Howard Temin Award for mentored postdoc or junior faculty
Howard Temin Award for independent junior faculty

Other:

- Candidates must:
 - Be U.S. citizens, non-citizen nationals, or permanent residents of the United States at the time of award (see [program announcement](#) for definition of non citizen nationals)
 - Have research or a health professional doctorate or its equivalent, must have completed at least 3 years of postdoctoral research at the time of award, and must have demonstrated highly productive research activity and potential for establishing an independent research program
 - Identify an individual who can serve as a mentor for the initial mentored phase
 - Propose a research and career development plan for establishing an independent basic research program directly relevant to human cancer
 - Commit a minimum of 75% of full-time professional effort to conducting research and research career development
- Applications must be submitted, on behalf of the candidate, by domestic non-Federal organizations, public or private, such as medical schools or other institutions of higher education
- Former Principal Investigators on NIH Small Grants (R03), Exploratory/ Developmental Grants (R21), or recipients of comparable career development awards (e.g., K07, K08, K23) who are in their last 2 years of support, are eligible to apply
- NOT ELIGIBLE:
 - Former Principal Investigators on NIH research project grants (R01), FIRST Awards (R29) are not eligible

FUNDING

Period of Support: Up to 5 years (1 to 3 years in mentored phase, rest in independent phase), not renewable

Howard Temin Award, postdoc: \$105,000

Howard Temin Award, junior faculty: \$125,000

- Salary: Up to \$75,000 plus fringe benefits
- Research Development Support: Up to \$30,000 during the mentored phase; \$50,000 during the independent phase (covers such items as tuition, fees, books, research expenses, travel, and research support services, including personnel and computer time).

DETAILS

The goal of the National Cancer Institute's (NCI) Howard Temin Award (K01) is to bridge the transition from a mentored research environment to an independent basic cancer research career for scientists who have demonstrated unusually high potential during their initial stages of training and development. This special award is aimed at fostering the research careers of outstanding junior scientists in basic research who are committed to developing research programs directly relevant to the understanding of human

biology and human disease as it relates to the etiology, pathogenesis, prevention, diagnosis, and treatment of human cancer.

The major objective of the award is to sustain and advance the early research careers of the most promising M.D.s and Ph.D.s while they consolidate and focus their independent research programs and obtain their own research grant support. To achieve this objective, the Howard Temin Award offers candidates up to 5 years to gain additional skills and knowledge in human cancer research during a period of 1 to 3 years in a mentored environment, followed by transition to the equivalent of a junior faculty position to develop an independent research program.

The candidate must have a research or a health professional doctoral degree or its equivalent, must have completed at least 3 years of postdoctoral research at the time of award, and must have demonstrated highly productive research activity and high potential for establishing an independent research program in the period after the doctorate.

Candidates must be able to identify an individual with extensive experience in human cancer research that can serve as a mentor for the initial mentored phase of this award. The candidate's research proposal must directly relate to etiology, pathogenesis, prevention, diagnosis, control, and treatment of human cancer. Work developing or refining model systems will be supported only if the proposed research objectives actively test the relevance of the model to human cancer.

Candidates who are not U.S. citizens, non-citizen nationals, or permanent residents MAY APPLY for this award. However, candidates must be U.S. citizens or non-citizen nationals, or must have been lawfully admitted for permanent residence in order for the actual grant award to be made.

Candidates must commit to 75% of a full-time professional effort conducting research and research career development. Domestic institutions apply for a K01 on behalf of the candidate for up to 5 years of support.

The K01 provides salary up to \$75,000 per year plus fringe benefits and other costs up to \$30,000 per year while under a sponsor's supervision, and up to \$50,000 in an independent research position.

The K01 is not renewable.

REVIEW CRITERIA

Candidate

- Commitment to career in basic cancer research, prior training, academic record, recommendations, ability to collaborate

Career Development Plan

- Appropriateness, consistency, likelihood of contributing to achievement of independence

Research Plan

- Scientific and technical merit, relevance, appropriateness to level of research development and career plan

Mentor/Co-mentor

- Qualifications, role, experience, productivity, research support, previous mentoring

Environment/Institutional Commitment

- Research facilities, protected time

Budget

- Adequacy of justification in relation to goals and research aims

DATES TO APPLY

NEW APPLICATION RECEIPT DATES	INITIAL REVIEW DATES	NCAB REVIEW DATES
February 1	May/June	September/October
June 1	October/November	January/February
October 1	February/March	May/June

APPLICATION FORMS

<http://grants.nih.gov/grants/forms.htm#training>

PROGRAM ANNOUNCEMENT (PAR-03-104)

<http://grants.nih.gov/grants/guide/pa-files/PAR-03-104.html>

FURTHER INFORMATION

Howard Temin Award

<http://cancertraining.nci.nih.gov/research/basicphd/k01full.html>

Mentored Career Development Awards: Change in NIH Policy Concerning Concurrent Support from Career Development Award and a Research Grant

<http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-04-007.html>

NCI CONTACTS

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